

The M3016-EVK evaluation kit contains the 16Mbit MRAM device and enables users to develop interactive hardware solutions using an Arduino UNO Rev3 host board connected through a standard SPI interface. The Arduino UNO host board communicates with a computer using a USB 2.0 cable type A/B and terminal emulator software. Software bundled APIs and a test program from Avalanche provide basic access to the MRAM device's functionality.

## Kit Contents

The M3016 Evaluation Kit includes:

- One Arduino UNO Rev3 board
- One SPI evaluation board with Arduino UNO compatible R3 headers
  - One populated 16Mbit MRAM device in a 8-pin SOIC package
- One USB 2.0 cable type A/B

## Hardware Requirements

- A PC system with one available USB 2.0/3.0 port
- Windows 7/8/10 with 32/64-bit operation system

## Technical Documents

Download the User Guide and Test Program from <http://www.avalanche-technology.com/support/documentation-software>.

Follow the instructions outlined in the *Evaluation Board User Guide* on how to connect the evaluation board to the PC.

## Revision History

Revision	Date	Description
1.0	May.20.20	Initial release.

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